

PLANT RECOVERING SHALE OIL FROM OIL SHALE

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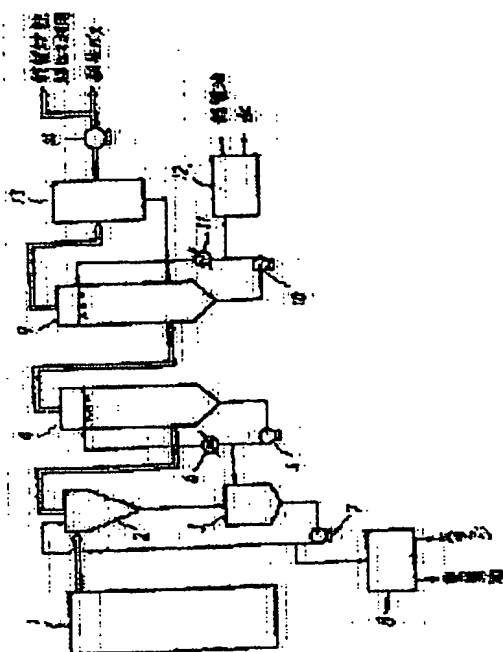
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PURPOSE: To facilitate the separation of oil from sludge and the separation of oil from water thereby enabling improvement in oil recovery, by condensing a dry distillation gas from an oil shale dry distillation oven in two steps. **CONSTITUTION:** A gas formed by the dry distillation of oil shale in a dry distillation oven 1 is cooled so that a shale oil can be separated from the dry distillation gas and recovered. In this process, the following components of the equipment are used: the first cooler 4, where sludge and a heavy oil condensed at temperatures higher than the dew point of the dry distillation gas are collected, provided midway in the passage of the dry distillation gas from the dry distillation oven 1; the second cooler 9, where a light oil condensed at temperature lower than the dew point of the dry distillation gas and dry distillation water are collected, provided after the first cooler 4.



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